

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions and listings of claims in the application:

In the Claims:

1 1. (currently amended) In an imprint lithography system, a method of forming a
2 layer on a substrate, said method comprising:
3 forming a plurality of flowable regions on said substrate;
4 contacting said flowable regions with a plurality of imprint lithography molds
5 having three dimensional relief patterns disposed on a template thereby resulting in said
6 flowable regions conforming to the three dimensional relief patterns; and
7 solidifying said plurality of flowable regions so that said plurality of flowable
8 regions maintain three dimensional patterns conforming to the three dimensional relief
9 patterns of said plurality of imprint lithography molds,
10 wherein contacting further includes flexing said template to conform to a
11 topography of said substrate
12 ~~wherein subsequent to the solidifying step, the substrate is populated by a~~
13 ~~plurality of physically separated imprinted layers corresponding to the plurality of~~
14 ~~flowable regions.~~

1 2. (previously presented) The method as recited in claim 1, wherein forming further
2 includes forming said plurality of flowable regions as an integer multiple of said plurality
3 of imprint lithography molds.

1 3. (original) The method as recited in claim 1 further including spreading a material
2 in said plurality of flowable regions over said substrate while confining said material
3 associated with each of said plurality of flowable regions to an area.

1 4. (cancelled)

1 5. (original) The method as recited in claim 1, wherein solidifying further includes
2 applying electromagnetic activation energy to said plurality of flowable regions.

1 6. (previously presented) The method as recited in claim 1, wherein contacting
2 further includes flexing said template at a region between adjacent molds of said plurality
3 of imprint lithography molds.

1 7. (original) The method as recited in claim 1, wherein forming further includes
2 forming said plurality of flowable regions concurrently.

1 8. (original) The method as recited in claim 1, wherein forming further includes
2 forming each of said plurality of flowable regions to be spaced-apart from adjacent
3 flowable regions of said plurality of flowable regions.

1 9. (currently amended) In an imprint lithography system, a method of forming a
2 layer on an imprint lithography substrate, said method comprising:

3 forming a plurality of flowable regions on a surface of said imprint lithography
4 substrate;

5 providing each of said plurality of flowable regions with a surface having a
6 desired three dimensional shape, wherein providing further includes contacting said
7 plurality of flowable regions with a plurality of imprint lithography molds having three
8 dimensional relief patterns disposed on a template thereby resulting in said flowable
9 regions conforming to the three dimensional relief patterns; and

10 solidifying said plurality of flowable regions so that said plurality of flowable
11 regions maintain three dimensional patterns conforming to the three dimensional relief
12 patterns of said plurality of imprint lithography molds,

13 wherein contacting further includes flexing said template to conform to a
14 topography of said imprint lithography substrate

15 ~~wherein subsequent to the solidifying step, the substrate is populated by a~~
16 ~~plurality of physically separated imprinted layers corresponding to the plurality of~~
17 ~~flowable regions.~~

1 10. (cancelled)

1 11. (previously presented) The method as recited in claim 10, wherein forming
2 further includes forming said plurality of flowable regions as an integer multiple of said
3 plurality of imprint lithography molds.

1 12. (cancelled)

1 13. (original) The method as recited in claim 9, wherein solidifying further includes
2 applying electromagnetic activation energy to said plurality of flowable regions.

1 14. (previously presented) The method as recited in claim 10, wherein contacting
2 further includes flexing said template at a region between adjacent molds of said plurality
3 of imprint lithography molds.

1 15. (original) The method as recited in claim 9 further including spreading a material
2 in said plurality of flowable regions over said substrate while confining said material
3 associated with each of said plurality of flowable regions to an area.

1 16. (currently amended) A method of forming a layer on a substrate, said method
2 comprising:
3 forming a plurality of flowable regions on said substrate;
4 spreading a material in said plurality of flowable regions over said substrate while
5 confining said material associated with each of said plurality of flowable regions to an
6 area;
7 contacting said flowable regions with a plurality of imprint lithography molds
8 disposed on a template; and

9 solidifying said plurality of flowable regions,
10 wherein contacting further includes flexing said template to conform to a
11 topography of said substrate
12 ~~wherein subsequent to the solidifying step, the substrate is populated by a~~
13 ~~plurality of physically separated imprinted layers corresponding to the plurality of~~
14 ~~flowable regions.~~

1 17. (previously presented) The method as recited in claim 16, wherein forming
2 further includes forming said plurality of flowable regions as an integer multiple of said
3 plurality of imprint lithography molds.

1 18. (cancelled)

1 19. (original) The method as recited in claim 16; wherein solidifying further includes
2 applying electromagnetic activation energy to said plurality of flowable regions.

1 20. (previously presented) The method as recited in claim 16, wherein contacting
2 further includes flexing said template at a region between adjacent molds of said plurality
3 of imprint lithography molds.

1 21-23. (cancelled)

2 24. (new) In an imprint lithography system, a method of forming a layer on a substrate,
3 said method comprising:

4 forming a plurality of flowable regions on said substrate;

5 contacting said flowable regions with a plurality of imprint lithography molds
6 disposed on a template; and

7 solidifying said plurality of flowable regions,

8 wherein subsequent to the solidifying step, the substrate is populated by a
9 plurality of physically separated imprinted layers corresponding to the plurality of
10 flowable regions.

11 25. (new) In an imprint lithography system, a method of forming a layer on an imprint
12 lithography substrate, said method comprising:

13 forming a plurality of flowable regions on a surface of said imprint lithography
14 substrate;

15 providing each of said plurality of flowable regions with a surface having a
16 desired shape; and

17 solidifying said plurality of flowable regions,

18 wherein subsequent to the solidifying step, the substrate is populated by a
19 plurality of physically separated imprinted layers corresponding to the plurality of
20 flowable regions.

21 26. (new) A method of forming a layer on a substrate, said method comprising:

22 forming a plurality of flowable regions on said substrate;

23 spreading a material in said plurality of flowable regions over said substrate while
24 confining said material associated with each of said plurality of flowable regions to an
25 area;

26 contacting said flowable regions with a plurality of imprint lithography molds
27 disposed on a template; and

28 solidifying said plurality of flowable regions,

29 wherein subsequent to the solidifying step, the substrate is populated by a
30 plurality of physically separated imprinted layers corresponding to the plurality of
31 flowable regions.

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33 27. (new) The method as recited in claim 1, wherein the plurality of flowable regions do
34 not include printing ink.

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36 28. (new) The method as recited in claim 9, wherein the plurality of flowable regions do
37 not include printing ink.

38

39 29. (new) The method as recited in claim 16, wherein the plurality of flowable regions
40 do not include printing ink.